TEJUS
CONSULTANTS

TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Balance Work of Marriage Community Hall in Jakkur in Ward No. 07, (Byatarayanapura).
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri K. Shankar Reddy, # 18, Bhuvaneshwarinagara, Bangalore - 560 024.
Total Weight:	10000 gms

SIEVE ANALYSIS

Type of Material	20 mm down size	**Proposed Use**	Concrete
Sample Location	Plant/At site	**Date of Sampling**	06.12.2022
		Date of Testing	06.12.2022

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
40.00 mm	0	0	0	100	100
20.00 mm	275	275	2.75	97.25	95 - 100
10.00 mm	4850	5125	51.25	48.75	25 - 55
4.75 mm	4225	9350	93.50	6.50	0 - 10
Pan	650	10000			

Remarks : ✓ Satisfactory / Not Satisfactory

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Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

TEJUS CONSULTANTS

Authorised Signatory

TEJUS CONSULTANTS
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TEJUS
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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike				
Project	Balance Work of Marriage Community Hall in Jakkur in Ward No. 07, (Byatarayanapura).				
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore				
Contractor	Sri K. Shankar Reddy, # 18, Bhuvanesharinagara, Bangalore - 560 024.				
Total Weight:	10000	gms			

SIEVE ANALYSIS

Type of Material	20 mm down size		**Proposed Use**	Concrete	
Sample Location	Plant/At site		**Date of Sampling**	08.12.2022	
			Date of Testing	08.12.2022	
IS Sieve Size	**Weight Retained**	**Cum. Weight Retained**	**Cum. % Retained**	**Cum. % Passing**	**Spec. Limit (%) Passing**
40.00 mm	0	0	0	100	100
20.00 mm	279	279	2.79	97.21	95 - 100
10.00 mm	4850	5129	51.29	48.71	25 - 55
4.75 mm	4225	9354	93.54	6.46	0 - 10
Pan	646	10000			

Remarks : ✓ Satisfactory / Not Satisfactory

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Balance Work of Marriage Community Hall in Jakkur in Ward No. 07, (Byatarayanapura).
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri K. Shankar Reddy, # 18, Bhuvaneshwarinagara, Bangalore - 560 024.
Total Weight:	10000 gms

SIEVE ANALYSIS

Type of Material	20 mm down size	**Proposed Use**	Concrete
Sample Location	Plant/At site	**Date of Sampling**	21.09.2022
		Date of Testing	21.09.2022

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
40.00 mm	0	0	0	100	100
20.00 mm	276	276	2.76	97.24	95 - 100
10.00 mm	4850	5126	51.26	48.74	25 - 55
4.75 mm	4225	9351	93.51	6.49	0 - 10
Pan	649	10000			

Remarks : ✓ Satisfactory / Not Satisfactory

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike				
Project	Balance Work of Marriage Community Hall in Jakkur in Ward No. 07, (Byatarayanapura).				
Consultants	TEJUS CONSULTANTS				
Contractor	Sri K. Shankar Reddy, # 18, Bhuvanesharinagara, Bangalore - 560 024.				
Total Weight:	10000	gms			

SIEVE ANALYSIS

Type of Material	**12.5 mm down size**		**Proposed Use**	Concrete	
Sample Location	At Site/Plant		**Date of Sampling**	08.12.2022	
			Date of Testing	08.12.2022	
IS Sieve Size (in mm)	**Weight Retained**	**Cum. Weight Retained**	**Cum. % Retained**	**Cum. % Passing**	**Spec. Limit (%) Passing**
20.0	0	0	0	100	100
12.5	549	549	5.49	94.51	90-100
10.0	4625	5174	51.74	48.26	40-85
4.75	4523	9697	96.97	3.03	0-10
Pan	303	10000			

Remarks : ✓ Satisfactory / Not Satisfactory

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike				
Project	Balance Work of Marriage Community Hall in Jakkur in Ward No. 07, (Byatarayanapura).				
Consultants	TEJUS CONSULTANTS				
Contractor	Sri K. Shankar Reddy, # 18, Bhuvanesharinagara, Bangalore - 560 024.				
Total Weight:	10000	gms			

SIEVE ANALYSIS

Type of Material	**12.5 mm down size**		**Proposed Use**	Concrete	
Sample Location	At Site/Plant		**Date of Sampling**	06.12.2022	
			Date of Testing	06.12.2022	
IS Sieve Size (in mm)	**Weight Retained**	**Cum. Weight Retained**	**Cum. % Retained**	**Cum. % Passing**	**Spec. Limit (%) Passing**
20.0	0	0	0	100	100
12.5	544	544	5.44	94.56	90-100
10.0	4625	5169	51.69	48.31	40-85
4.75	4523	9692	96.92	3.08	0-10
Pan	308	10000			

Remarks : ✓ Satisfactory / Not Satisfactory

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike				
Project	Balance Work of Marriage Community Hall in Jakkur in Ward No. 07, (Byatarayanapura).				
Consultants	TEJUS CONSULTANTS				
Contractor	Sri K. Shankar Reddy, # 18, Bhuvanesharinagara, Bangalore - 560 024.				
Total Weight:	10000	gms			

SIEVE ANALYSIS

Type of Material	**12.5 mm down size**		**Proposed Use**	Concrete	
Sample Location	At Site/Plant		**Date of Sampling**	21.09.2022	
			Date of Testing	21.09.2022	
IS Sieve Size (in mm)	**Weight Retained**	**Cum. Weight Retained**	**Cum. % Retained**	**Cum. % Passing**	**Spec. Limit (%) Passing**
20.0	0	0	0	100	100
12.5	546	546	5.46	94.54	90-100
10.0	4625	5171	51.71	48.29	40-85
4.75	4523	9694	96.94	3.06	0-10
Pan	306	10000			

Remarks : ✓ Satisfactory / Not Satisfactory

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Project	Balance Work of Marriage Community Hall in Jakkur in Ward No. 07, (Byatarayanapura).
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri K. Shankar Reddy, # 18, Bhuvanesharinagara, Bangalore - 560 024.
Grade of concrete:	M25
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	22.11.22	20.12.22	28 days	8.132	22500	573	25.47	25.69
2	22.11.22	20.12.22	28 days	8.140	22500	588	26.13	
3	22.11.22	20.12.22	28 days	8.142	22500	573	25.47	

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4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Project	Balance Work of Marriage Community Hall in Jakkur in Ward No. 07, (Byatarayanapura).
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri K. Shankar Reddy, # 18, Bhuvanesharinagara, Bangalore - 560 024.
Grade of concrete:	M25
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	08.12.22	06.01.23	28 days	8.132	22500	571	25.38	25.60
2	08.12.22	06.01.23	28 days	8.140	22500	586	26.04	
3	08.12.22	06.01.23	28 days	8.142	22500	571	25.38	

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Project	Balance Work of Marriage Community Hall in Jakkur in Ward No. 07, (Byatarayanapura).
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri K. Shankar Reddy, # 18, Bhuvanesharinagara, Bangalore - 560 024.
Grade of concrete:	M25
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	21.09.22	19.10.22	28 days	8.132	22500	573	25.47	25.63
2	21.09.22	19.10.22	28 days	8.140	22500	585	26.00	
3	21.09.22	19.10.22	28 days	8.142	22500	572	25.42	

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Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri K. Shankar Reddy, # 18, Bhuvanesharinagara, Bangalore - 560 024.
Grade of concrete:	M25
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	11.10.22	10.11.22	28 days	8.132	22500	572	25.42	25.61
2	11.10.22	10.11.22	28 days	8.140	22500	587	26.09	
3	11.10.22	10.11.22	28 days	8.142	22500	570	25.33	

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Project	Balance Work of Marriage Community Hall in Jakkur in Ward No. 07, (Byatarayanapura).
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri K. Shankar Reddy, # 18, Bhuvanesharinagara, Bangalore - 560 024.
Grade of concrete:	M25
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	22.11.22	29.12.22	7 days	8.300	22500	368	16.36	16.06
2	22.11.22	29.12.22	7 days	8.320	22500	363	16.13	
3	22.11.22	29.12.22	7 days	8.325	22500	353	15.69	

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Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri K. Shankar Reddy, # 18, Bhuvanesharinagara, Bangalore - 560 024.
Grade of concrete:	M25
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	11.10.22	18.10.22	7 days	8.300	22500	369	16.40	16.04
2	11.10.22	18.10.22	7 days	8.320	22500	362	16.09	
3	11.10.22	18.10.22	7 days	8.325	22500	352	15.64	

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Project	Balance Work of Marriage Community Hall in Jakkur in Ward No. 07, (Byatarayanapura).
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	2
Grade of concrete:	M25
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	21.09.22	28.09.22	7 days	8.300	22500	369	16.40	16.12
2	21.09.22	28.09.22	7 days	8.320	22500	366	16.27	
3	21.09.22	28.09.22	7 days	8.325	22500	353	15.69	

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Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri K. Shankar Reddy, # 18, Bhuvanesharinagara, Bangalore - 560 024.
Grade of concrete:	M25
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	08.12.22	16.12.22	7 days	8.300	22500	367	16.31	15.97
2	08.12.22	16.12.22	7 days	8.320	22500	361	16.04	
3	08.12.22	16.12.22	7 days	8.325	22500	350	15.56	

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Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri K. Shankar Reddy, # 18, Bhuvanesharinagara, Bangalore - 560 024.
Grade of concrete:	M25
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	06.12.22	13.12.22	7 days	8.300	22500	368	16.36	16.10
2	06.12.22	13.12.22	7 days	8.320	22500	364	16.18	
3	06.12.22	13.12.22	7 days	8.325	22500	355	15.78	

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Consultant	TEJUS CONSULTANTS
Contractor	Sri K. Shankar Reddy, # 18, Bhuvanesharinagara, Bangalore - 560 024.
Grade of concrete:	M25
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	06.12.22	04.01.23	28 days	8.132	22500	572	25.42	25.67
2	06.12.22	04.01.23	28 days	8.140	22500	586	26.04	
3	06.12.22	04.01.23	28 days	8.142	22500	575	25.56	

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4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

AE

TEJUS CONSULTANTS

Authorised Signatory

Asst. Executive Engineer
Project Division
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TEST RESULTS OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Name of Work	:	Balance Work of Marriage Community Hall in Jakkur in Ward No. 07, (Byatarayanapura).
Client	:	Bruhat Bengaluru Mahanagara Palike
Contractor	:	Sri K. Shankar Reddy, # 18, Bhuvanesharinagara, Bangalore - 560 024.
Consultant	:	Tejus Consultants, Bangalore
Date of Testing	:	20-09-2022
Techinical Reference	:	IS 1786:2008, IS1608:2005, IS1599:1985(Reaffirmed2006)
Sample Identification	:	8mm10mm, 12mm, 16mm, 20mm, TMT Fe500 Bars

Sl. No.	Nominal size dia in mm)	Mass per metre (kg/m)	TENSILE STRENGTH		
			0.20% proof stress/yield stress N/mm2	Tensile strength N/mm2 '	Elongation,percent on gauge length
1	8	0.397	518	563	16
2	10	0.619	523	576	19
3	12	0.890	537	588	20
4	16	1.583	549	595	21
5	20	2.478	560	609	22

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Consultant's Representative

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TEST REPORT

Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Balance Work of Marriage Community Hall in Jakkur in Ward No. 07, (Byatarayanapura).
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri K. Shankar Reddy, # 18, Bhuvanesharinagara,Bangalore-560 024.

SPECIFIC GRAVITY AND WATER ABSORPTION

FINE AGGREGATE (IS-2386-PART-3)

Type of Material	Fine aggregate (River Sand/ M sand)	Proposed Use	concrete
Location/Source	At Site/Plant	Date of Sampling	07-12-2022
Period of Soaking	24 hours	Date of Testing	08-12-2022

Sl. No.	Test Property		TRIAL - 1	TRIAL - 2	TRIAL - 3	
A	Weight of sturated surface dry sample gm.		653	685	661	
B	Weight of oven - dry sample gm.		642	670	650	
C	Weight of Pycnometer Filled with water gm		1275	1275	1275	
D	Weight of Pycnometer + sample + water gm		1685	1703	1690	
E	Bulk specific gravity	$\frac{B}{(C+A-D)}$	2.642	2.607	2.642	2.630
G	Absorption (%)	$\frac{(A-B)*100}{B}$	1.713	2.239	1.692	1.882

Note:

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Balance Work of Marriage Community Hall in Jakkur in Ward No. 07, (Byatarayanapura).
Consultants	Tejus Consultants, Bangalore
Contractor	Sri K. Shankar Reddy, # 18, Bhuvanesharinagara,Bangalore-560 024.

SIEVE ANALYSIS

Total Weight:	**3000** gms	**Proposed Use**	concrete
Type of Material	**Fine aggregate (River Sand/ M sand)**	**Date of Sampling**	07-12-2022
Sample Location	At Site/Plant	**Date of Testing**	08-12-2022

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
10.00 mm	0	0	0	100.00	100
4.75 mm	233	233	7.77	92.23	90 - 100
2.36 mm	306	539	17.97	82.03	75 - 100
1.18 mm	410	949	31.63	68.37	55 - 90
0.600 mm	482	1431	47.70	52.30	35 -59
0.300 mm	710	2141	71.37	28.63	8-30
0.150 mm	625	2766	92.20	7.80	0 - 10
Pan	234	3000			-

Remarks : ✓ Satisfactory / Not Satisfactory

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TEST REPORT

Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Balance Work of Marriage Community Hall in Jakkur in Ward No. 07, (Byatarayanapura).
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri K. Shankar Reddy, # 18, Bhuvanesharinagara,Bangalore-560 024.

SPECIFIC GRAVITY AND WATER ABSORPTION

FINE AGGREGATE (IS-2386-PART-3)

Type of Material	Fine aggregate (River Sand/ M sand)	**Proposed Use**	concrete
Location/Source	At Site/Plant	**Date of Sampling**	07-12-2022
Period of Soaking	24 hours	**Date of Testing**	08-12-2022

Sl. No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	
A	Weight of sturated surface dry sample gm.	653	685	661	
B	Weight of oven - dry sample gm.	642	670	650	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1685	1703	1690	
E	Bulk specific gravity $\frac{B}{(C+A-D)}$	2.642	2.607	2.642	2.630
G	Absorption (%) $\frac{(A-B)*100}{B}$	1.713	2.239	1.692	1.882

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Balance Work of Marriage Community Hall in Jakkur in Ward No. 07. (Byatarayanapura).
Consultants	Tejus Consultants, Bangalore
Contractor	Sri K. Shankar Reddy, # 18, Bhuvanesharinagara,Bangalore-560 024.

SIEVE ANALYSIS

Total Weight:	**3000** gms		**Proposed Use**	concrete	
Type of Material	**Fine aggregate (River Sand/ M sand)**		**Date of Sampling**	22-09-2022	
Sample Location	At Site/Plant		**Date of Testing**	22-09-2022	
IS Sieve Size	**Weight Retained**	**Cum. Weight Retained**	**Cum. % Retained**	**Cum. % Passing**	**Spec. Limit (%) Passing (Zone-II)**
10.00 mm	0	0	0	100.00	100
4.75 mm	233	233	7.77	92.23	90 - 100
2.36 mm	306	539	17.97	82.03	75 - 100
1.18 mm	410	949	31.63	68.37	55 - 90
0.600 mm	482	1431	47.70	52.30	35 -59
0.300 mm	710	2141	71.37	28.63	8-30
0.150 mm	625	2766	92.20	7.80	0 - 10
Pan	234	3000			-

Remarks : ✓ Satisfactory / Not Satisfactory

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Balance Work of Marriage Community Hall in Jakkur in Ward No. 07, (Byatarayanapura).
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri K. Shankar Reddy, # 18, Bhuvanesharinagara, Bangalore - 560 024.

SIEVE ANALYSIS

Total Weight:	3000 gms	**Proposed Use**	concrete
Type of Material	**Fine aggregate (River Sand/ M sand)**	**Date of Sampling**	28.11.2022
Sample Location	At Site/Plant	**Date of Testing**	29.11.2022

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
10.00 mm	0	0	0	100.00	100
4.75 mm	210	210	7.00	93.00	90 - 100
2.36 mm	310	520	17.33	82.67	75 - 100
1.18 mm	410	930	31.00	69.00	55 - 90
0.600 mm	485	1415	47.17	52.83	35 -59
0.300 mm	750	2165	72.17	27.83	8-30
0.150 mm	620	2785	92.83	7.17	0 - 10
Pan	215	3000			-

Remarks : ✓ Satisfactory / Not Satisfactory

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Test Report on Cement

Project	Balance Work of Marriage Community Hall in Jakkur in Ward No. 07, (Byatarayanapura).
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri K. Shankar Reddy, # 18, Bhuvanesharinagara, Bangalore - 560 024.
Sample ID	Cement
Date of Sample Tested	08-12-22
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	39	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	251	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	5.000	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	29.00%	25 % to 35

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TEST REPORT

Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Balance Work of Marriage Community Hall in Jakkur in Ward No. 07, (Byatarayanapura).
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri K. Shankar Reddy, # 18, Bhuvanesharinagara,Bangalore-560 024.

SPECIFIC GRAVITY AND WATER ABSORPTION

FINE AGGREGATE (IS-2386-PART-3)

Type of Material	Fine aggregate (River Sand/ M sand)	**Proposed Use**	concrete
Location/Source	At Site/Plant	**Date of Sampling**	07-12-2022
Period of Soaking	24 hours	**Date of Testing**	08-12-2022

Sl. No.	Test Property		TRIAL - 1	TRIAL - 2	TRIAL - 3	
A	Weight of sturated surface dry sample gm.		653	685	661	
B	Weight of oven - dry sample gm.		642	670	650	
C	Weight of Pycnometer Filled with water gm		1275	1275	1275	
D	Weight of Pycnometer + sample + water gm		1685	1703	1690	
E	Bulk specific gravity	$\frac{B}{(C+A-D)}$	2.642	2.607	2.642	2.630
G	Absorption (%)	$\frac{(A-B)*100}{B}$	1.713	2.239	1.692	1.882

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Test Report on Compressive strength of Solid Block

Project	Balance Work of Marriage Community Hall in Jakkur in Ward No. 07, (Byatarayanapura).
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri K. Shankar Reddy, # 18, Bhuvanesharinagara, Bangalore - 560 024.
Cross sectional area	80000mm2
Size of cube	400mm x 200mm x 200mm
No. of Block Tested	1
Reference IS code:	IS:2185 (Part 1)- 2005

Sl.No.	Date of Sampling	Date of testing	Area of Cube	Failure load	Compressive strength	Obtained Average compressive strength	Minimum Required compressive strength of individual units
			mm^2	KN	N/mm^2	N/mm^2	N/mm^2
1	15.12.2022	15.12.2022	80000	409.00	5.11	5.08	5.00
2	15.12.2022	15.12.2022	80000	403.00	5.04		
3	15.12.2022	15.12.2022	80000	406.00	5.08		

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Test Report on Compressive strength of Solid Block

Project	Balance Work of Marriage Community Hall in Jakkur in Ward No. 07, (Byatarayanapura).
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri K. Shankar Reddy, # 18, Bhuvanesharinagara, Bangalore - 560 024.
Cross sectional area	80000mm2
Size of cube	400mm x 200mm x 200mm
No. of Block Tested	1
Reference IS code:	IS:2185 (Part 1)- 2005

Sl.No.	Date of Sampling	Date of testing	Area of Cube	Failure load	Compressive strength	Obtained Average compressive strength	Minimum Required compressive strength of individual units
			mm^2	KN	N/mm^2	N/mm^2	N/mm^2
1	16.12.2022	16.12.2022	80000	411.00	5.14	5.10	5.00
2	16.12.2022	16.12.2022	80000	404.00	5.05		
3	16.12.2022	16.12.2022	80000	408.00	5.10		

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Test Report on Cement

Project	Balance Work of Marriage Community Hall in Jakkur in Ward No. 07, (Byatarayanapura).
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri K. Shankar Reddy, # 18, Bhuvanesharinagara, Bangalore - 560 024.
Sample ID	Cement
Date of Sample Tested	29.11.2022
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	37 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	359Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	4mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	27.00%	25 % to 35

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Test Report on Cement

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Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri K. Shankar Reddy, # 18, Bhuvanesharinagara, Bangalore - 560 024.
Sample ID	Cement
Date of Sample Tested	28.11.2022
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	38 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	355 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	3mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	27.00%	25 % to 35

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TEST REPORT

Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Balance Work of Marriage Community Hall in Jakkur in Ward No. 07, (Byatarayanapura).
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri K. Shankar Reddy, # 18, Bhuvanesharinagara, Bangalore - 560 024.

SPECIFIC GRAVITY AND WATER ABSORPTION

FINE AGGREGATE (IS-2386-PART-3)

Type of Material	Fine aggregate (River Sand/ M sand)	**Proposed Use**	PCC
Location/Source	At Site/Plant	**Date of Sampling**	28.11.2022
Period of Soaking	24 hours	**Date of Testing**	29.11.2022

Sl. No.	Test Property		TRIAL - 1	TRIAL - 2	TRIAL - 3	
A	Weight of sturated surface dry sample gm.		662	637	671	
B	Weight of oven - dry sample gm.		652	628	661	
C	Weight of Pycnometer Filled with water gm		1275	1275	1275	
D	Weight of Pycnometer + sample + water gm		1686	1686	1698	
E	Bulk specific gravity	B / (C + A - D)	2.598	2.779	2.665	2.681
G	Absorption (%)	(A - B) *100 / B	1.534	1.433	1.513	1.493

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TEJUS
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TEST REPORT

Clients	Bruhath Bangalore Mahanagara Palike
Project	Balance Work of Marriage Community Hall in Jakkur in Ward No. 07, (Byatarayanapura).
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri K. Shankar Reddy, # 18, Bhuvanesharinagara, Bangalore - 560 024
Total Weight in gm:	3000

SIEVE ANALYSIS

Type of Material	40 mm down size	**Proposed Use**	PCC
Sample Location	At Site/Plant	**Date of Sampling**	29.11.2022
		Date of Testing	29.11.2022

IS Sieve Size	**Weight Retained in gm**	**Cum. Weight Retained in gm**	**Cumulative Weight Retained in %**	**Cumulative Weight Passing in %**	**Specific Limits as per IS 383-1970 (RA-2007) % of Passing For Graded Aggregate of Nominal Size**
80.00mm	0	0	0.00	100.00	100
63.00mm	0	0	0.00	100.00	-
40.00mm	80	80	2.67	97.33	95-100
20.00mm	1400	1480	49.33	50.67	30-70
10.00mm	970	2450	81.67	18.33	10-35
4.75mm	452	2902	96.73	3.27	0-5
Pan	98	3000	100.00	0.00	

Remarks : Satisfactory / Not Satisfactory

Note:

1.The report shall not be reproduced, except in full, without the written approval of the laboratory.

2.The results indicated above are based on the tests carried out on the samples colleted at site/received in the laboratory.

3. Any Query regarding the report must be reported reported within 15days from the date of testing.

4.The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

AE

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Test Report on Compressive strength of Solid Block

Project	Balance Work of Marriage Community Hall in Jakkur in Ward No. 07, (Byatarayannapura).
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri K. Shankar Reddy, # 18, Bhuvanesharinagara, Bangalore - 560 024.
Cross sectional area	80000mm2
Size of cube	400mm x 200mm x 200mm
No. of Block Tested	1
Reference IS code:	IS:2185 (Part 1)- 2005

Sl.No.	Date of Sampling	Date of testing	Area of Cube	Failure load	Compressive strength	Obtained Average compressive strength	Minimum Required compressive strength of individual units
			mm^2	KN	N/mm^2	N/mm^2	N/mm^2
1	15.12.2022	15.12.2022	80000	412.00	5.15	5.11	5.00
2	15.12.2022	15.12.2022	80000	405.00	5.06		
3	15.12.2022	15.12.2022	80000	409.00	5.11		

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